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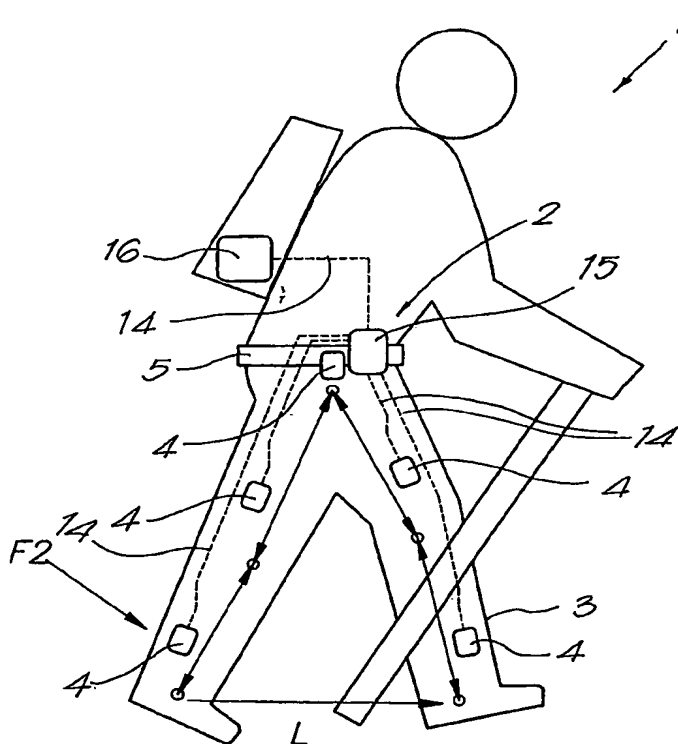
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(54) Title: **DEVICE TO DETERMINE THE ROAD FOLLOWED BY A PERSON ON FOOT**



(57) Abstract: Device to determine the road followed by a person on foot, characterised in that it mainly consists of at least three inertia sensors (4) attached to the body of the person (1), one sensor (4) to the torso and one sensor (4) to each leg respectively, and which measure the absolute orientation of the part of the body concerned to which they are attached; means which make it possible to determine the instant at which the person (1) concerned takes a step; an arithmetic unit (15) with which the sensors (4) and the above mentioned means are connected, which arithmetic unit (15) comprises a first algorithm which makes it possible, on the basis of a number of body dimensions of the person concerned and on the basis of the signals coming from the above mentioned sensors (4), to determine at least the step distance (L) for every step as well as the cumulated step distance as of a certain starting point.



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